



USER MANUAL

— VERTICAL GRINDER —

MODELS : FV-7-1M



FV-7-1M

SPECIFICATIONS

Model	Max.Dia				Free Speed	Spindle Thread Size	Angle Head Height		Overall Length		Mass		Max.Air Consumption		Air Inlet Thread Size		Air Hose Size	
	Grinding Wheel		Sanding Disc.															
	mm	in	mm	in														
FV-7-1M	180X6X22.2	7X1/4X7/8	180X-X22.2	7X-X7/8	6000	5/8-11UNC	192	7 9/16	247	9 23/32	4.1	8.9	1.4	49	PTorNPT 3/8	12.7	1/2	

The performance figures are at 0.63 MPa (6.3bar).

⚠ Refer to "The Instructions and Warning for Safety Use" enclosed in each tool box.

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BOLT & NUT SETTERS
SCREW DRIVERS

ABRASIVE TOOLS

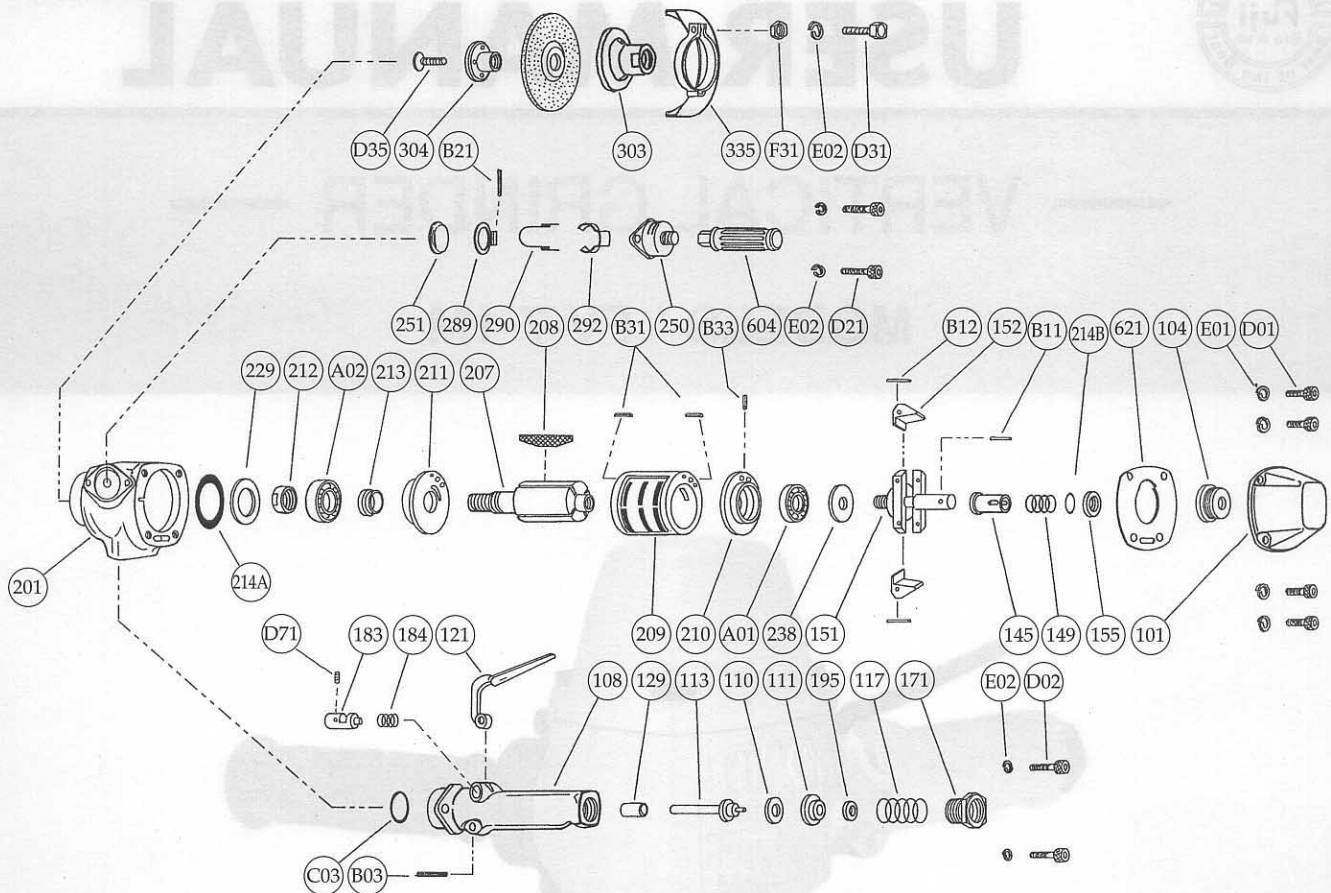
DRILLS • TAPPERS

PERCUSSION TOOLS

AIR MOTORS & OTHERS

OTHER PRODUCTS

EXPLODED VIEW



FV-7-1M

PARTS LIST

Index No.	Parts No.	Parts Name	Qt.	Index No.	Parts No.	Parts Name	Qt.	Index No.	Parts No.	Parts Name	Qt.
Ass'y No.	A-094003-00	Throttle Valve Body Ass'y (PT)		Ass'y No.	A-193010-02	Governor Weight Ass'y			A-094214-02	Adjusting Washer (T=0.25)	1
Ass'y No.	A-094003-02	Throttle Valve Body Ass'y (NPT)		151	A-193151-00	Governor Cage	1		A-094214-03	Adjusting Washer (T=0.30)	1
108	A-094003-50	Throttle Valve Body	1	152	G-154152-00	Governor Weight	2	229	A-094229-00	Bearing Spacer	1
(129)	A-078129-00	Throttle Valve Rod Bushing	1	B12	GP-2.524GCH	Grooved Pin	2	238	A-109238-00	Bearing Cover (B)	1
117	A-078117-01	Throttle Valve Spring	1	101	A-094101-00	Housing Cover	1	303	A-041303-A	Wheel Flange (A)	1
121	A-078121-00	Throttle Valve Lever	1	104	A-078104-00	Bushing	1	304	A-100304-02	Wheel Flange (B)	1
171	IB-6N30S0	Inlet Bushing (PT)	1	145	A-077145-00	Governor Valve	1	335	A-094335-00	Wheel Guard	1
	IB-6N3NS0	Inlet Bushing (NPT)	1	149	A-084149-00	Governor Valve Spring	1	(D31)	HS-625	Hexagon Bolt	1
183	A-078183-01	Lock Key	1	155	A-069155-00	Governor Valve Spring Holder	1	(E02)	SW-6	Spring Washer	1
184	A-078184-00	Lock Spring	1	201	A-094201-00	Housing	1	(F31)	N-6	Nut	1
B03	GP-520GCH	Grooved Pin	1	207	A-094207-00	Rotor	1	604	A-025604-02	Dead Handle	1
D71	SS-48	Set Screw	1	208	A-094208-00	Rotor Blade	4	621	A-094621-00	Packing (A)	1
Ass'y No.	A-078008-00	Throttle Valve Rod Ass'y		209	A-094209-00	Cylinder	1	A01	BB-6202MN	Ball Bearing	1
110	A-078110-01	Throttle Valve	1	(B31)	SP-48	Spring Pin	2	A02	BB-6303	Ball Bearing	1
111	A-078111-01	Throttle Valve Washer	1	210	A-094210-00	Cylinder Upper Plate	1	B11	NR-2.515.8	Needle Roller	1
113	A-078113-01	Throttle Valve Rod	1	(B33)	SP-38	Spring Pin	1	C03	O-S34	"O" Ring	1
195	W-080195-00	Sub Throttle Valve	1	211	A-094211-00	Cylinder Lower Plate	1	D01	CS-520	Cap Screw	4
Ass'y No.	A-094012-00	Exhaust Cover Ass'y		212	A-094212-00	Rotor Nut	1	D02	CS-620	Cap Screw	2
250	A-094250-00	Exhaust Cover	1	213	A-094213-00	Adjusting Collar	1	D21	CS-618	Cap Screw	2
251	A-094251-00	Exhaust Valve	1	214A	A-069214-00	Adjusting Washer (T=0.2)	1	D35	CS-635S	Cap Screw	1
289	A-094289-00	Muffler Plate	1		A-069214-01	Adjusting Washer (T=0.3)	1	E01	SW-5	Spring Washer	4
290	A-094290-03	Muffler Spring	1		A-069214-02	Adjusting Washer (T=0.5)	1	E02	SW-6	Spring Washer	4
292	A-094292-00	Muffler Plate Holder	1		A-094214-01	Adjusting Washer (T=0.20)	1				
B21	SP-325	Spring Pin	1								

□ Ass'y No. denotes the assembled parts comprising of more than 1pc. of parts.

The related parts are shown in the thick frame.

□ #108, 209, 210 and 335 are supplied together with parts shown in ().

□ Specify parts number and quantity in ordering.

*For sanding application, there are prepared the optional attachments:

#A-087318-00. Rubber Pad Flange and #RP-7. Rubber Backing Pad.

■ Standard Accessories : F-704...Hex. Pin Wrench 1.

F-707...Hex. Pin Wrench 1.

F-109...Open-End Wrench 1.

F-203...Open-End Pin Wrench 1.

● Optional Accessories : HN-304000...Hose Nipple 1.